

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121423\
 Data File : VU056847.D
 Acq On : 14 Dec 2023 18:30
 Operator : MD/SY
 Sample : 05675-21
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AD2

Quant Time: Dec 15 00:55:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 00:49:12 2023
 Response via : Initial Calibration

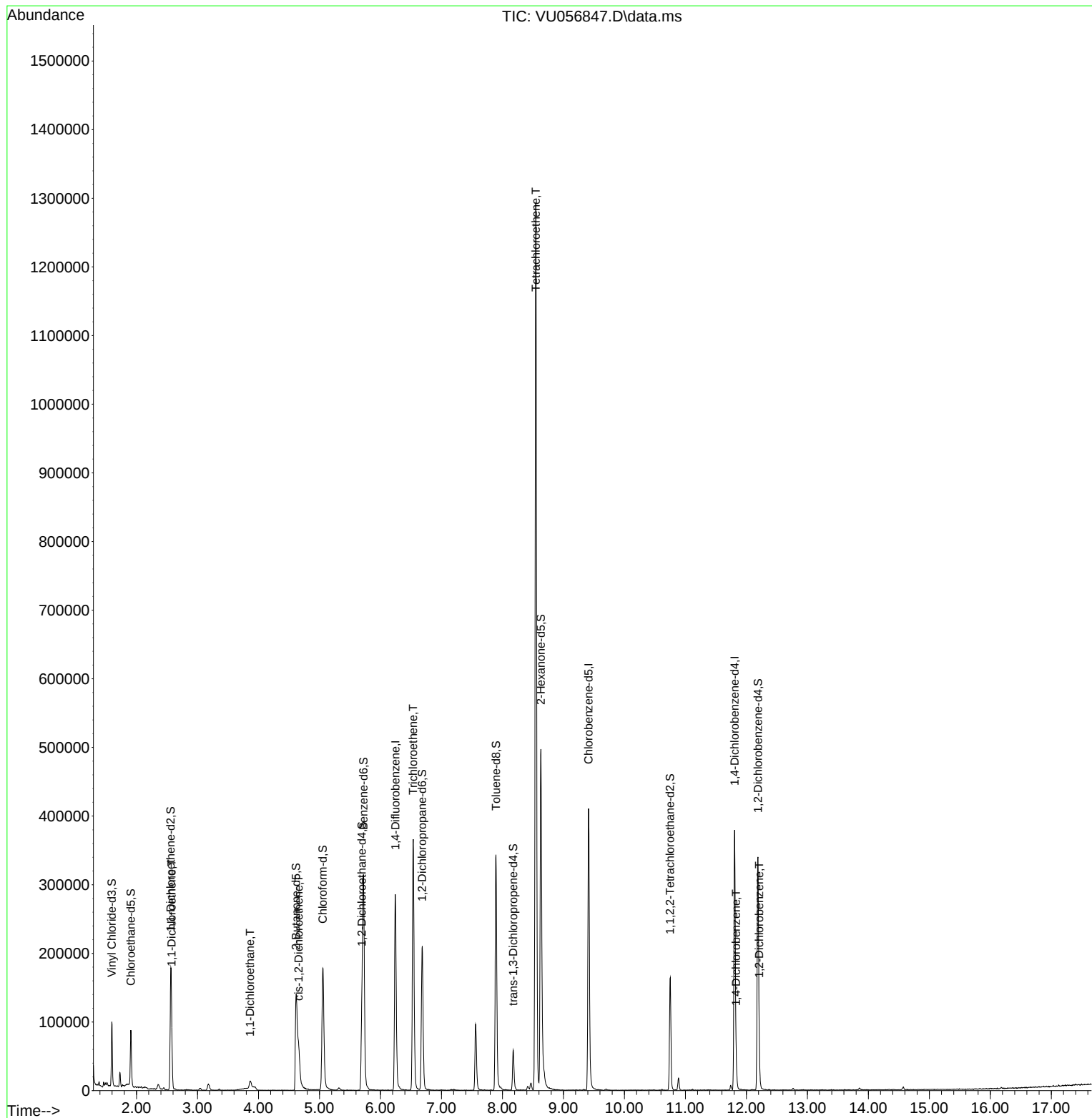
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	234301	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	238647	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	100747	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	65363	3.255	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.000%
7) Chloroethane-d5	1.907	69	61627	4.101	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.000%
11) 1,1-Dichloroethene-d2	2.560	65	30655	3.568	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.400%
20) 2-Butanone-d5	4.618	46	218413	55.069	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.140%
24) Chloroform-d	5.055	84	172104	4.525	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
26) 1,2-Dichloroethane-d4	5.695	65	85801	4.768	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	5.721	84	304187	4.109	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
36) 1,2-Dichloropropane-d6	6.685	67	103806	4.481	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.600%
41) Toluene-d8	7.894	98	238473	3.605	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.000%
43) trans-1,3-Dichloroprop...	8.177	79	36154	4.024	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.400%
46) 2-Hexanone-d5	8.631	63	165190	48.747	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.500%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	84405	5.035	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	91826	4.637	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.800%
Target Compounds						
12) 1,1-Dichloroethene	2.576	96	16212	0.852	ug/L	# 19
19) 1,1-Dichloroethane	3.862	63	12924	0.348	ug/L	95
22) cis-1,2-Dichloroethene	4.660	96	20322	0.969	ug/L	98
34) Trichloroethene	6.537	95	131572	5.719	ug/L	98
47) Tetrachloroethene	8.547	164	281440	17.480	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	8757	0.236	ug/L	94
67) 1,2-Dichlorobenzene	12.209	146	13607	0.397	ug/L	93

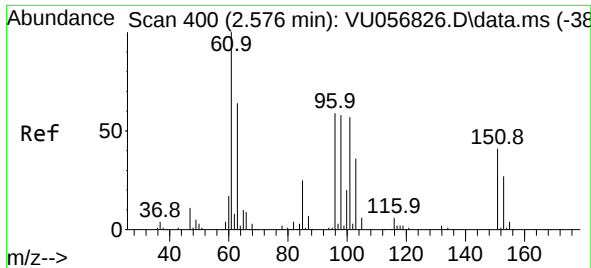
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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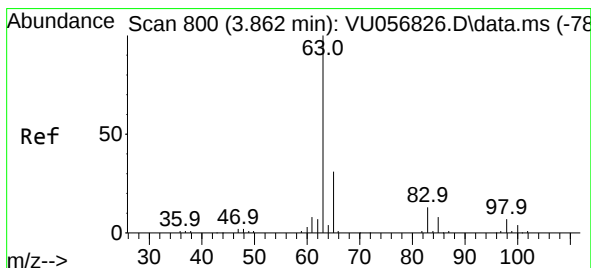
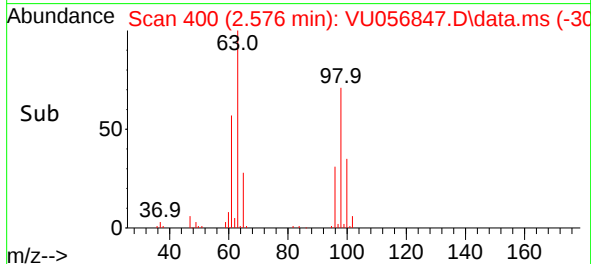
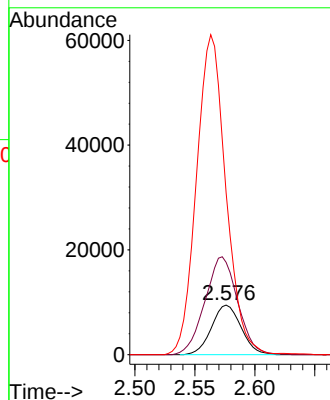
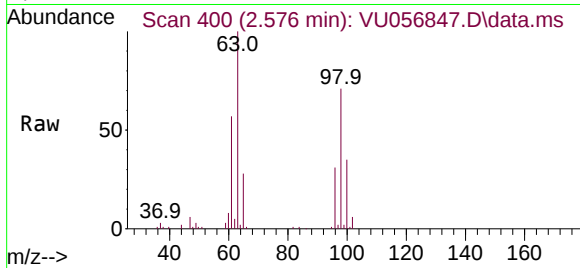




#12
 1,1-Dichloroethene
 Concen: 0.852 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056847.D
 Acq: 14 Dec 2023 18:30

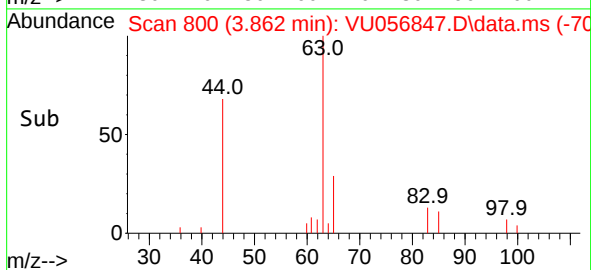
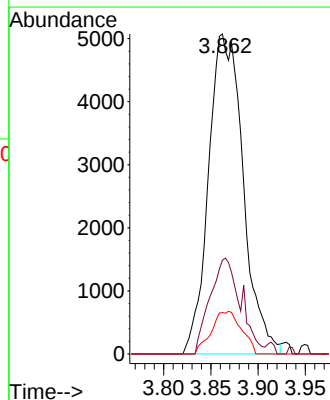
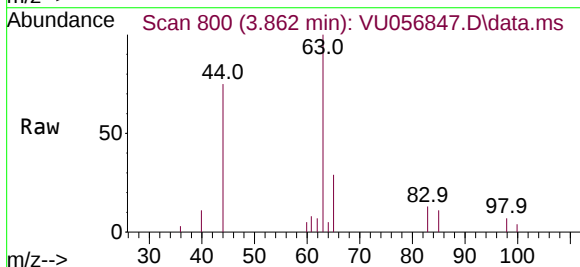
Instrument :
 MSVOA_U
 ClientSampleId :
 H0AD2

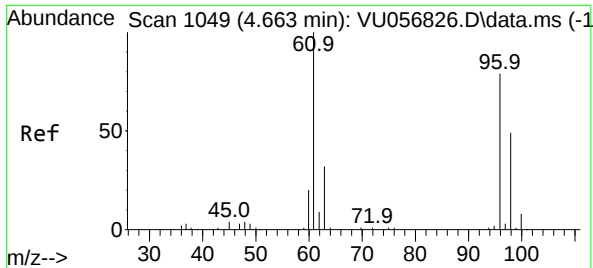
Tgt Ion: 96 Resp: 16212
 Ion Ratio Lower Upper
 96 100
 61 186.4 119.0 221.0
 63 326.7 88.7 164.7#



#19
 1,1-Dichloroethane
 Concen: 0.348 ug/L
 RT: 3.862 min Scan# 800
 Delta R.T. -0.000 min
 Lab File: VU056847.D
 Acq: 14 Dec 2023 18:30

Tgt Ion: 63 Resp: 12924
 Ion Ratio Lower Upper
 63 100
 65 29.3 22.9 42.5
 83 12.9 10.1 18.9

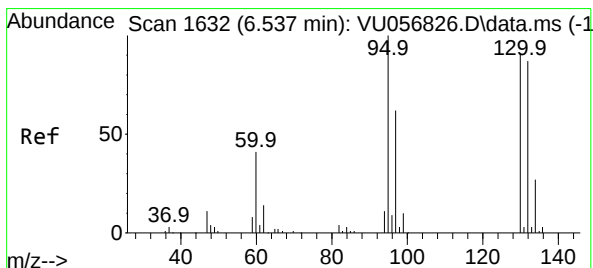
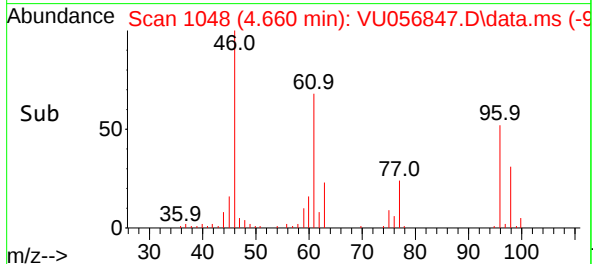
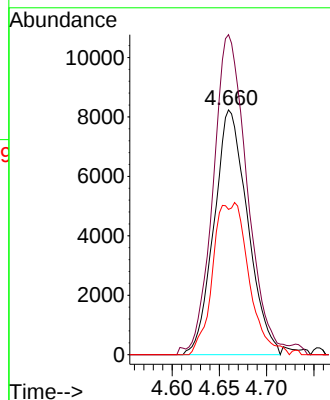
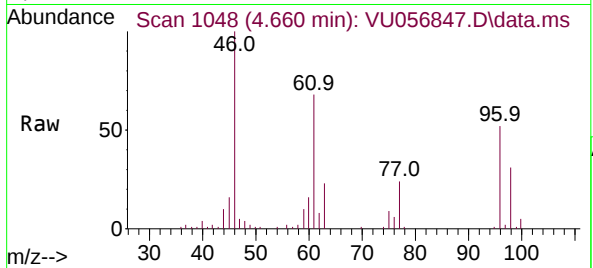




#22
cis-1,2-Dichloroethene
Concen: 0.969 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.003 min
Lab File: VU056847.D
Acq: 14 Dec 2023 18:30

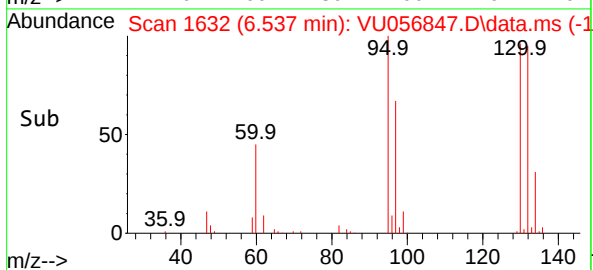
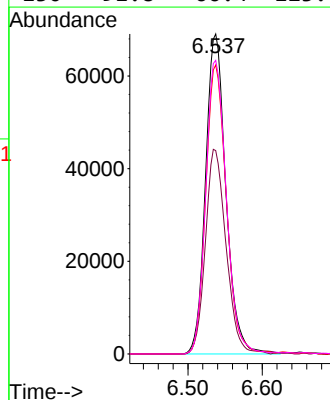
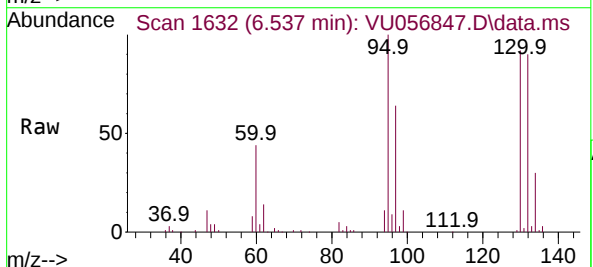
Instrument :
MSVOA_U
ClientSampleId :
H0AD2

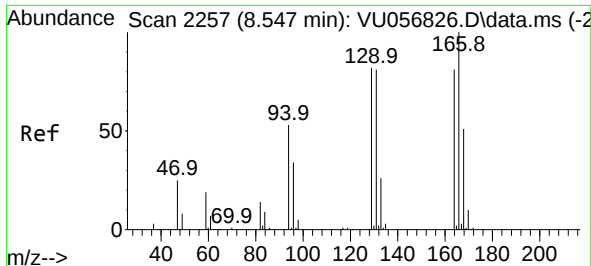
Tgt Ion: 96 Resp: 20322
Ion Ratio Lower Upper
96 100
61 130.7 91.3 169.6
98 59.4 44.2 82.0



#34
Trichloroethene
Concen: 5.719 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU056847.D
Acq: 14 Dec 2023 18:30

Tgt Ion: 95 Resp: 131572
Ion Ratio Lower Upper
95 100
97 63.5 46.1 85.5
132 90.3 63.6 118.0
130 91.8 66.4 123.4



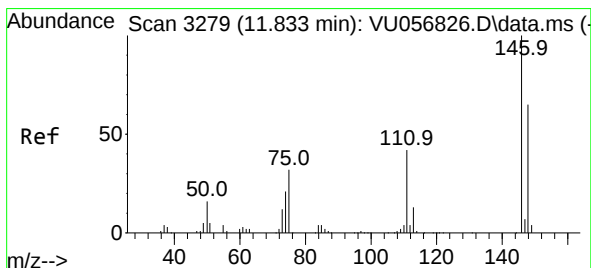
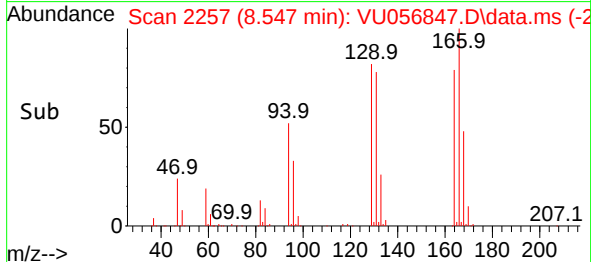
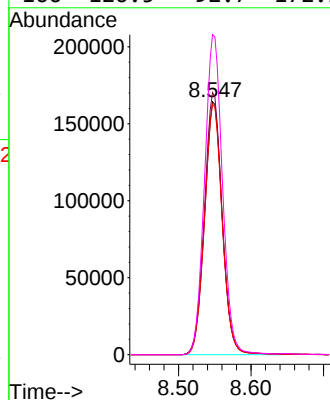
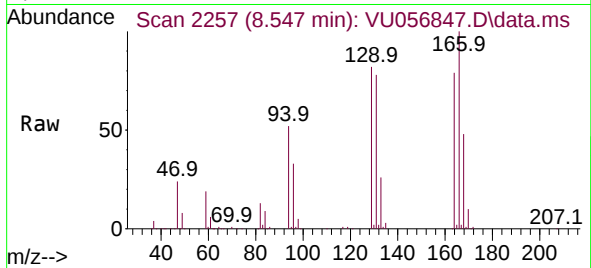


#47
Tetrachloroethene
Concen: 17.480 ug/L
RT: 8.547 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056847.D
Acq: 14 Dec 2023 18:30

Instrument :
MSVOA_U
ClientSampleId :
H0AD2

Tgt Ion:164 Resp: 281440

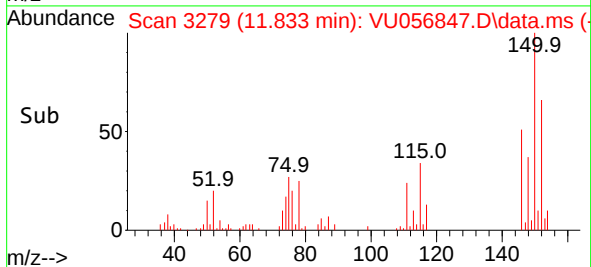
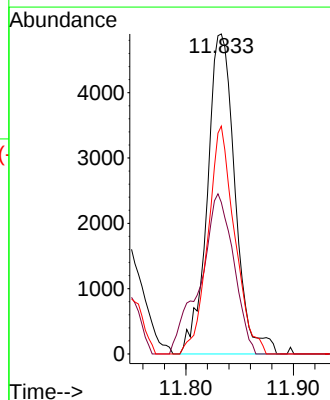
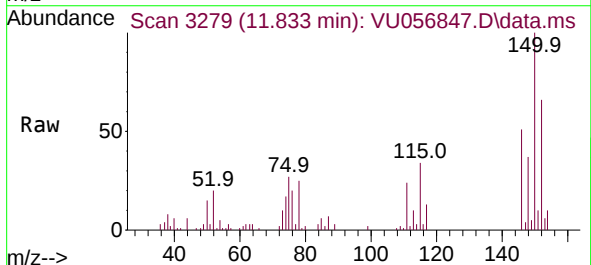
Ion	Ratio	Lower	Upper
164	100		
129	103.7	73.4	136.4
131	99.1	71.5	132.9
166	126.5	92.7	172.1

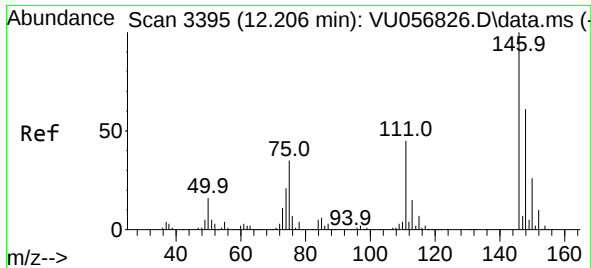


#65
1,4-Dichlorobenzene
Concen: 0.236 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU056847.D
Acq: 14 Dec 2023 18:30

Tgt Ion:146 Resp: 8757

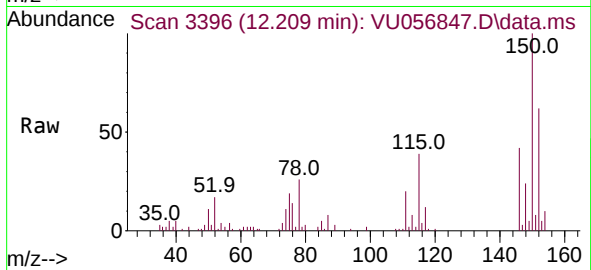
Ion	Ratio	Lower	Upper
146	100		
111	47.3	31.2	58.0
148	71.2	45.6	84.8





#67
 1,2-Dichlorobenzene
 Concen: 0.397 ug/L
 RT: 12.209 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU056847.D
 Acq: 14 Dec 2023 18:30

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AD2



Tgt Ion:	146	Resp:	13607
Ion	Ratio	Lower	Upper
146	100		
111	47.5	36.9	55.3
148	58.1	53.0	79.4

